

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1. (currently amended) A human glans penis accommodating device for
2 collecting ~~complete all~~ fractions of ejaculated semen sample received from ~~a the~~ glans
3 ~~penis of a male human individual~~after masturbation and/or post coital interruption, said
4 device comprising:

5 a chamber, said chamber comprising a distal end, a proximal end, and a conduit
6 extending between said distal end and proximal end;

7 said proximal end having a rim defining an aperture;

8 said distal end having a surface that encloses said conduit;

9 at least a portion of said conduit proximal to said proximal end having a tapered
10 shape radially inward defining a tapered section, whereby said tapered section
11 accommodates the head of the glans penis;

12 at least a portion of said conduit proximal to said distal end adapted for receiving
13 the semen ejaculated from the glans penis, said receiving portion defining a reservoir
14 section for the semen; and wherein:

15 said tapered accommodation section is configured to prevent loss of any
16 fractions of semen during ejaculation; and

17 said reservoir section is configured to prevent loss of any fractions of
18 semen during ejaculation.

1 2. (original) The device of claim 1, wherein said tapered accommodation section
2 is configured to the general external image of the head of the glans penis.

1 3. (cancelled) The device of claim 1, wherein said tapered accommodation
2 section is configured to prevent loss of any fractions of semen during ejaculation.

1 4. (cancelled) The device of claim 1, wherein said reservoir section is configured
2 to prevent loss of any fractions of semen during ejaculation.

1 5. (cancelled) The device of claim 1, wherein said tapered accommodation
2 section and said reservoir section are configured to prevent loss of any fractions of semen
3 during ejaculation.

1 6. (original) The device of claim 1, wherein said enclosure surface is adapted to
2 allow said chamber to stand upward on a surface.

1 7. (original) The device of claim 1, wherein said enclosure surface is at least
2 substantially flat.

1 8. (original) The device of claim 1, wherein the longest cross-section of said
2 reservoir section is equal to or less than the shortest cross-section of the tapered
3 accommodation section.

1 9. (original) The device of claim 8, wherein said enclosure surface is adapted to
2 allow said chamber to stand upward on a surface.

1 10. (original) The device of claim 9, wherein said enclosure surface is at least
2 substantially flat.

1 11. (original) The device of claim 1, wherein the longest cross-section of said
2 reservoir section is greater than the shortest cross-section of the tapered accommodation
3 section.

1 12. (original) The device of claim 11, wherein said enclosure surface is adapted
2 to allow said chamber to stand upward on a surface.

1 13. (original) The device of claim 12, wherein said enclosure surface is at least
2 substantially flat.

1 14. (original) The device of claim 1, further comprising:
2 at least one protruding member disposed on said chamber, said protruding
3 member adapted to allow said chamber to stand upward on a surface.

1 15. (original) The device of claim 14, wherein said protruding member
2 comprises at least one leg.

1 16. (original) The device of claim 14, wherein said protruding member
2 comprises a collar surrounding at least a portion of said chamber.

1 17. (original) The device of claim 14, wherein the longest cross-section of said
2 reservoir section is equal to or less than the shortest cross-section of the tapered
3 accommodation section.

1 18. (original) The device of claim 14, wherein the longest cross-section of said
2 reservoir section is greater than the shortest cross-section of the tapered accommodation
3 section.

1 19. (original) The device of claim 1, wherein said tapered accommodation
2 section is bell-shaped.

1 20. (original) The device of claim 1, wherein said tapered accommodation
2 section is olive-shaped.

1 21. (original) The device of claim 1, wherein said tapered accommodation
2 section is hemispherical-shaped.

1 22. (original) The device of claim 1, wherein said tapered accommodation
2 section is ellipsoid-shaped.

1 23. (original) The device of claim 1, wherein said tapered accommodation
2 section is multifaceted-shaped.

1 24. (original) The device of claim 1, wherein said tapered accommodation
2 section is cone-shaped.

1 25. (original) The device of claim 1, wherein said tapered accommodation
2 section comprises at least one wall, wherein said at least one wall comprises a shape
3 selected from the group consisting of curved, multicurved, sloped, multifaceted, beveled,
4 sloped, and chamfered.

1 26. (original) The device of claim 1, further comprising a cover disposed on said
2 chamber.

1 27. (original) The device of claim 1, further comprising a cover disposed on said
2 device.

1 28. (original) The device of claim 1, further comprising a tracking medium
2 disposed on said chamber.

1 29. (original) The device of claim 28, wherein said a tracking medium comprises
2 at least one of frosted surface or bar code label.

1 30. (original) The device of claim 1, further comprising a volume identification
2 medium disposed on said chamber.

1 31. (original) The device of claim 30, wherein said a volume identification
2 medium comprises at least one graduated mark or a calibrated region adapted for
3 indicating volume.

1 32. (original) The device of claim 1, wherein said device is used for an
2 application selected from the group consisting of hospitals, clinics, semen analysis
3 laboratories, fertility and infertility diagnostic laboratories, IVF clinics, ICSI clinics,
4 artificial insemination clinics, vasectomy clinics, andrology research laboratories, basic
5 research laboratories, forensic (crime) laboratories and law enforcement agencies,
6 prisons, home sperm test users, and environmental monitoring for effect of toxins on
7 spermatogenesis in occupations such as mining, agriculture, radiation exposure, and
8 industries.

1 33. (original) The device of claim 1, further comprising a port disposed on said
2 reservoir section to allow for drainage or removal of the semen.

1 34. (original) The device of claim 1, further comprising a port disposed on said
2 reservoir section to allow for access or communication to the semen.

1 35. (original) The device of claim 1, wherein said chamber is integrally formed.

1 36. (original) The device of claim 1, wherein said device is integrally formed.

1 37. (original) The device of claim 1, wherein said chamber is partially integrally
2 formed.

1 38. (original) The device of claim 1, wherein said device is partially integrally
2 formed.

1 39. (original) The device of any one of claims 37 and 38, wherein said tapered
2 accommodation section and said reservoir section are attachable to one another and/or
3 detachable from one another.

- 1 40. (original) The device of claim 1, further comprising an adapter section.
- 1 41. (original) The device of claim 40, further comprising at least one handle
2 disposed on said device.
- 1 42. (original) The device of claim 41, wherein said handle comprise at least one
2 of tab, ridge, strap, knob, protrusion, or lever.
- 1 43. (original) The device of claim 40, further comprising at least one grip ridge
2 disposed on said device.
- 1 44. (original) The device of claim 40, wherein said adapter section comprises a
2 collar.
- 1 45. (original) The device of claim 44, wherein said adapter section is configured
2 to accommodate the glans penis.
- 1 46. (original) The device of claim 44, wherein said collar comprises at least one
2 of lubricant, jacket or lining.
- 1 47. (original) The device of claim 40, wherein said adapter section comprises an
2 ejaculation aid device.
- 1 48. (original) The device of claim 40, wherein said adapter section comprises a
2 stimulation device for stimulating the glans.
- 1 49. (original) The device of claim 40, wherein said adapter section is adapted for
2 being held by the individual or a partner.

1 50. (original) The device of claim 1, wherein said reservoir section at least
2 partially comprises at least one communication channel.

1 51. (original) The device of claim 50, wherein said at least one communication
2 channel comprises at least one of channel, microchannel, capillary tube, microtubing,
3 tubing, pipette, micropipette, or column.

1 52. (original) The device of claim 1, further comprising a port disposed on said
2 collection device.

1 53. (original) The device of claim 52, wherein said port is in communication
2 with at least one communication channel.

1 54. (original) The device of claim 53, wherein said at least one communication
2 channel comprises at least one of channel, microchannel, capillary tube, microtubing,
3 tubing, pipette, micropipette or column.

1 55. (original) The device of claim 1, further comprising at least one handle
2 disposed on said device.

1 56. (original) The device of claim 55, wherein said handle comprise at least one
2 of tab, ridge, strap, knob, protrusion, or lever.

1 57. (original) The device of claim 1, further comprising at least one grip ridge
2 disposed on said device.

1 58. (withdrawn) A method for collecting semen received from a glans penis of a
2 male human individual during ejaculation, said method comprising:
3 placing a semen collecting device in contact with the glans head of the individual;
4 and

5 receiving semen produced from the ejaculation in said semen collecting device.

1 59. (withdrawn) The method of claim 58, wherein said collection device
2 comprises:

3 a chamber, said chamber comprising a distal end, a proximal end, and a conduit
4 extending between said distal end and proximal end;

5 said proximal end having a rim defining an aperture;

6 said distal end having a surface that encloses said conduit;

7 at least a portion of said conduit proximal to said proximal end having a tapered
8 shape radially inward defining a tapered section, whereby said tapered section
9 accommodates the head of the glans penis; and

10 at least a portion of said conduit proximal to said distal end adapted for receiving
11 the semen ejaculated from the glans penis, said receiving portion defining a reservoir
12 section for the semen.

1 60. (withdrawn) The method of claim 59, wherein the said contact of the glans
2 head with said collection device is at least partially in contact with said tapered
3 accommodation section.

1 61. (withdrawn) The method of claim 59, wherein the said contact of the glans
2 head with said collection device is solely in contact with said tapered accommodation
3 section.

1 62. (withdrawn) The method of claim 59, wherein said tapered accommodation
2 section is bell-shaped.

1 63. (withdrawn) The method of claim 59, wherein said tapered accommodation
2 section is olive-shaped.

1 64. (withdrawn) The method of claim 59, wherein said tapered accommodation
2 section is hemispherical-shaped.

1 65. (withdrawn) The method of claim 59, wherein said tapered accommodation
2 section is ellipsoid-shaped.

1 66. (withdrawn) The method of claim 59, wherein said tapered accommodation
2 section is multifaceted-shaped.

1 67. (withdrawn) The method of claim 59, wherein said tapered accommodation
2 section is cone-shaped.

1 68. (withdrawn) The method of claim 59, wherein the placement prevents loss of
2 any fractions of semen during ejaculation.

1 69. (withdrawn) The method of claim 59, wherein said tapered accommodation
2 section is configured to the general external image of the head of the glans penis.

1 70. (withdrawn) The method of claim 59, wherein the placement includes
2 aligning the urethra of the glans penis with said reservoir section.

1 71. (withdrawn) The method of claim 59, wherein the placement includes
2 aligning the urethra of the glans penis with said tapered accommodation section.

1 72. (withdrawn) The method of claim 59, wherein the placement includes
2 aligning the urethra of the glans penis with both said reservoir section and said tapered
3 accommodation section.

1 73. (withdrawn) The method of claim 58, wherein the placement prevents loss of
2 any fractions of semen during ejaculation.

1 74. (withdrawn) A test kit for analyzing the semen collected in claim 58,
2 comprising:
3 a surface on which the semen sample collected in said device can be deposited;
4 and
5 a means for analyzing the semen sample deposited on said surface.

1 75. (withdrawn) The test kit of claim 74, wherein said means for analyzing the
2 semen sample determines at least one of: presence of sperm; concentration of sperm;
3 condition of sperm, quality of sperm, sperm count, sperm morphology, sperm motility, or
4 sperm viability and markers of accessory sex gland secretion.

1 76. (withdrawn) A test kit for analyzing the semen collected in claim 58,
2 comprising:
3 a surface on which the semen sample collected in said device can be deposited;
4 an antibody specific for a testes and sperm tissue-specific protein antigen present
5 throughout spermiogenesis; and
6 a means for indicating binding of said monoclonal antibody to antigen present the
7 semen sample deposited on said surface.

1 77. (withdrawn) A test kit for analyzing the semen collected in claim 58,
2 comprising:
3 a communication channel on which the semen sample collected in said device can
4 be received; and
5 a means for analyzing the semen sample received from said communication
6 channel.

1 78. (withdrawn) A test kit for analyzing the semen collected in claim 1,
2 comprising:

3 a surface on which the semen sample collected in said device can be deposited;
4 and
5 a means for analyzing the semen sample deposited on said surface.

1 79. (withdrawn) The test kit of claim 78, wherein said means for analyzing the
2 semen sample determines at least one of: presence of sperm; concentration of sperm;
3 condition of sperm or quality of sperm.

1 80. (withdrawn) A test kit for analyzing the semen collected in claim 1,
2 comprising:
3 a surface on which the semen sample collected in said device can be deposited;
4 an antibody specific for a testes and sperm tissue-specific protein antigen present
5 throughout spermiogenesis; and
6 a means for indicating binding of said monoclonal antibody to antigen present the
7 semen sample deposited on said surface.

1 81. (withdrawn) A test kit for analyzing the semen collected in claim 1, wherein
2 said reservoir section at least partially comprises at least one communication channel,
3 wherein semen sample collected in said device can be received; and
4 a means for analyzing the semen sample received from said communication
5 channel.

1 82. (original) The device of claim 1, further comprising a port disposed on said
2 collection device.

1 83. (withdrawn) A test kit for analyzing the semen collected in claim 82, further
2 comprising:
3 at least one communication channel in communication with said port, wherein
4 semen sample collected in said device can be received via said port; and

5 a means for analyzing the semen sample received from said communication
6 channel.

1 84. (withdrawn) A method for analyzing the semen collected in claim 58,
2 comprising:
3 providing a surface;
4 depositing the semen sample collected in said device on said surface; and
5 analyzing the semen sample deposited on said surface.

1 85. (withdrawn) The method of claim 84, wherein said analyzing of the semen
2 sample comprises at least one of determining the presence of sperm; determining the
3 concentration of sperm; determining the condition of sperm or determining the quality of
4 sperm.

1 86. (withdrawn) The method for analyzing the semen collected in claim 58,
2 comprising:
3 providing a surface;
4 depositing the semen sample collected in said device on said surface;
5 providing an antibody specific for a testes and sperm tissue-specific protein
6 antigen present throughout spermiogenesis; and
7 indicating binding of said monoclonal antibody to antigen present the semen
8 sample deposited on said surface.

1 87. (withdrawn) A method for analyzing the semen collected in claim 1,
2 comprising:
3 providing a surface;
4 depositing the semen sample collected in said device on said surface; and
5 analyzing the semen sample deposited on said surface.

1 88. (withdrawn) The method of claim 87, wherein said analyzing of the semen
2 sample comprises at least one of determining the presence of sperm; determining the
3 concentration of sperm; determining the condition of sperm or determining the quality of
4 sperm.

1 89. (withdrawn) The method of claim 1, comprising:
2 providing a surface;
3 depositing the semen sample collected in said device on said surface;
4 providing an antibody specific for a testes and sperm tissue-specific protein
5 antigen present throughout spermiogenesis; and
6 indicating binding of said monoclonal antibody to antigen present the semen
7 sample deposited on said surface.

1 90. (previously presented) The device of claim 1, further comprising a base in
2 communication with said device, said base adapted to allow said chamber to stand
3 upward on a surface.

1 91. (previously presented) The device of claim 90, wherein said communication
2 comprises a connector.

1 92. (previously presented) The device of claim 91, wherein said connector
2 comprises at least one leg or stem.

1 93. (previously presented) The device of claim 91, wherein said connector
2 comprises a joining or adhesive means.